

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001608

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : C04B 7/46, 22/06, 28/00, 28/02, 28/06; C01B 33/32, 33/24; B28B 21/02 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) C04B 7/26, 22/06, 28/00, 28/02, 28/06; C01B 33/32, 33/24; B28B 21/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT; JAPIO; USPTO; Espace@net; IPC (above) and Keywords - geopolymers+, concrete+, alkali+, silicate+, (fly ash+), hydroxide+, aggregate+, cement+, Vebe		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2000/044685 A (JIN W.), 3 August 2000 See pages 7-21	1-27
X	WO 1996/025369 A (DREXEL UNIVERSITY [US] & BY-PRODUCTS DEVELOPMENT Co [US]), 22 August 1996 See pages 2-11, Claim 2	1-27
X	WO 2003/078349 A (KASTANEK F. & S. and UNIVERSITÄT FÜR CHEMIE UND TECHNOLOGIE, PRAG [CZ]), 25 September 2003 (abstract). [online] [retrieved on 2004-12-17]. Retrieved from Espace@net. & WO 2003/078349 - whole document.	1-27
D, X	US 4509985 A (DAVIDOVITS et al), 9 April 1985 Whole document	1-27
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 17 December 2004		Date of mailing of the international search report 23 DEC 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer WARREN TAYLOR Telephone No : (02) 6283 2229

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001608

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member		
WO	0044685	US 6296699	WO	0044686	
WO	9625369	AU 49226/96	CA	2243977	CZ 9802488
		EP 0809613	US	5601643	
WO	03078349	CZ 20021011	SK	332004	
US	4509985	AU 39967/85	CA	1236858	DK 60985
		EP 0153097	ES	8605450	FI 850514
		IN 163449	MA	20358	NO 850511
		NZ 211089	TR	22174	WO 8503699
		ZA 8501043			
US	4640715	JP 63112445			
WO	8905284	AU 27199/88	BR	8807354	DK 388189
		EP 0346416	ES	2009395	MA 21454
		NO 893208	NZ	227101	PT 89175
		US 4997484	ZA	8809186	
WO	9316965	AU 35707/93	ZA	9301375	
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001608

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4640715 A (HEITZMANN et al), 3 February 1987 Whole document	1-27
X	WO 1989/005284 A (LONE STAR INDUSTRIES INC. [US]), 15 June 1989 Whole document	1-27
X	WO 1993/016965 A (PRETORIA PORTLAND CEMENT Co. [ZA] & GOMERSALL J.E.), 2 September 1993 Whole document	1-27